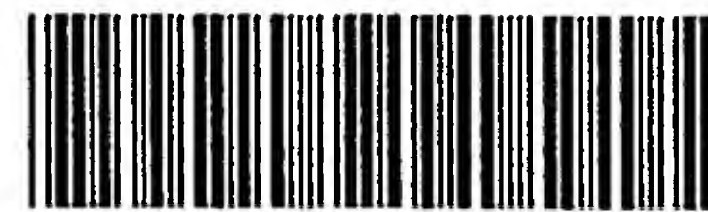


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/579,606
Source: IFWP
Date Processed by STIC: 5/26/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 05/26/2006

PATENT APPLICATION: US/10/579,606

TIME: 08:17:20

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\05262006\J579606.raw

```

5 <110> APPLICANT: Crusade Laboratories Limited
7     Brown, Susanne M
9     Dunn, Paul
13 <120> TITLE OF INVENTION: Mutant Viruses
17 <130> FILE REFERENCE: 6947-75756-01
C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/579,606
C--> 21 <141> CURRENT FILING DATE: 2006-05-16
21 <150> PRIOR APPLICATION NUMBER: PCT/GB2004/004851
23 <151> PRIOR FILING DATE: 2004-11-17
27 <150> PRIOR APPLICATION NUMBER: GB 0326798.6
29 <151> PRIOR FILING DATE: 2003-11-17
33 <160> NUMBER OF SEQ ID NOS: 2
37 <170> SOFTWARE: PatentIn version 3.1
41 <210> SEQ ID NO: 1
43 <211> LENGTH: 217
45 <212> TYPE: PRT
47 <213> ORGANISM: Escherichia coli
51 <400> SEQUENCE:
53 Met Asp Ile Ile Ser Val Ala Leu Lys Arg His Ser Thr Lys Ala Phe
54 1          5          10          15
57 Asp Ala Ser Lys Lys Leu Thr Pro Glu Gln Ala Glu Gln Ile Lys Thr
58          20          25          30
61 Leu Leu Gln Tyr Ser Pro Ser Ser Thr Asn Ser Gln Pro Trp His Phe
62          35          40          45
65 Ile Val Ala Ser Thr Glu Glu Gly Lys Ala Arg Val Ala Lys Ser Ala
66          50          55          60
69 Ala Gly Asn Tyr Val Phe Asn Glu Arg Lys Ile Leu Asp Ala Ser His
70 65          70          75          80
73 Val Val Val Phe Cys Ala Lys Thr Ala Met Asp Asp Ala Trp Leu Lys
74          85          90          95
77 Leu Val Val Asp Gln Glu Asp Ala Asp Gly Arg Phe Ala Thr Pro Glu
78          100         105         110
81 Ala Lys Ala Ala Asn Asp Lys Gly Arg Lys Phe Phe Ala Asp Met His
82          115         120         125
85 Arg Lys Asp Leu His Asp Asp Ala Glu Trp Met Ala Lys Gln Val Tyr
86          130         135         140
89 Leu Asn Val Gly Asn Phe Leu Leu Gly Val Ala Ala Leu Gly Leu Asp
90 145         150         155         160
93 Ala Val Pro Ile Glu Gly Phe Asp Ala Ala Ile Leu Asp Ala Glu Phe
94          165         170         175
97 Gly Leu Lys Glu Lys Gly Tyr Thr Ser Leu Val Val Val Pro Val Gly
98          180         185         190
101 His His Ser Val Glu Asp Phe Asn Ala Thr Leu Pro Lys Ser Arg Leu

```

RAW SEQUENCE LISTING

DATE: 05/26/2006

PATENT APPLICATION: US/10/579,606

TIME: 08:17:21

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\05262006\J579606.raw

```

102          195          200          205
105 Pro Gln Asn Ile Thr Leu Thr Glu Val
106          210          215
109 <210> SEQ ID NO: 2
111 <211> LENGTH: 654
113 <212> TYPE: DNA
115 <213> ORGANISM: Escherichia coli
119 <400> SEQUENCE: 2
120 atggatatca tttctgtcgc cttaaagcgt cattccacta aggcatttga tgccagcaaa      60
122 aaacttacc cggaaacaggc cgagcagatc aaaactctcc tgcaatacag cccatccagc      120
124 accaactccc agccgtggca ttttattgtt gccagcacgg aagaaggtaa agcgcgtgtt      180
126 gccaaatccg ctgccggtaa ttatgtgttc aacgaacgta aaatacttga tgcctcgcac      240
128 gtcgtggtgt tctgtgcaaa aaccgcgatg gacgatgcct ggctgaagct ggttggtgac      300
130 caggaagatg ctgatggccg ctttgccacg ccggaagcga aagccgcgaa cgataaaggt      360
132 cgcaagttct tcgccgatat gcaccgtaaa gatctgcatg atgatgcaga gtggatggca      420
134 aaacagggtt atctcaacgt cggtaatttc ctgctcggcg tggcggctct gggctctggac      480
136 gcggtaccca tcgaaggttt tgacgccgcc atcctcgatg cagaatttgg tctgaaagag      540
138 aaaggctaca ccagtctggt ggtagttccg gtgggtcatc acagcgttga agattttaac      600
140 gctacgctgc cgaaatctcg tctgccgcaa aacattacct taaccgaagt gtaa      654

```

VERIFICATION SUMMARY

DATE: 05/26/2006

PATENT APPLICATION: US/10/579,606

TIME: 08:17:22

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\05262006\J579606.raw

L:21 M:270 C: Current Application Number differs, Replaced Current Application No

L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date